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Statement of participation

Rebaone Khanyisile Cynthia Vilakazi

has completed the free course including any mandatory tests for:

Approaches to software development

This free 9-hour course presented an engineering approach to the development of software systems.

Issue date: 1 March 2024

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:
https://www.open.edu/openlearn/science-maths-technology/approaches-software-development/content-section-0

COURSE CODE: **TM354_1**

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Approaches to software development

https://www.open.edu/openlearn/science-maths-technology/approaches-software-development/content-section-0

Course summary

This free course, Approaches to software development, presents an engineering approach to the development of software systems – a software engineering approach. The course pays particular attention to issues of software quality, in terms of both product (what is built) and process (how we build it).

Learning outcomes

By completing this course, the learner should be able to:

- describe the essential characteristics, and identify, using examples, the connections between the characteristics of a good software system
- describe the elements of a basic software development process and illustrate the variety of different life cycles
- understand the motivation for, and best practices of, an agile approach to software development
- explain the benefits of the Unified Modeling Language (UML) as a standard notation for modelling
- identify the different kinds of model used in the development of software and describe the relationship between models, viewpoints and software development.

Completed study

The learner has completed the following:

Section 1

Software and software engineering

Section 2

An introduction to software development

Section 3

Modelling in software development